

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P266016

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2008.1 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

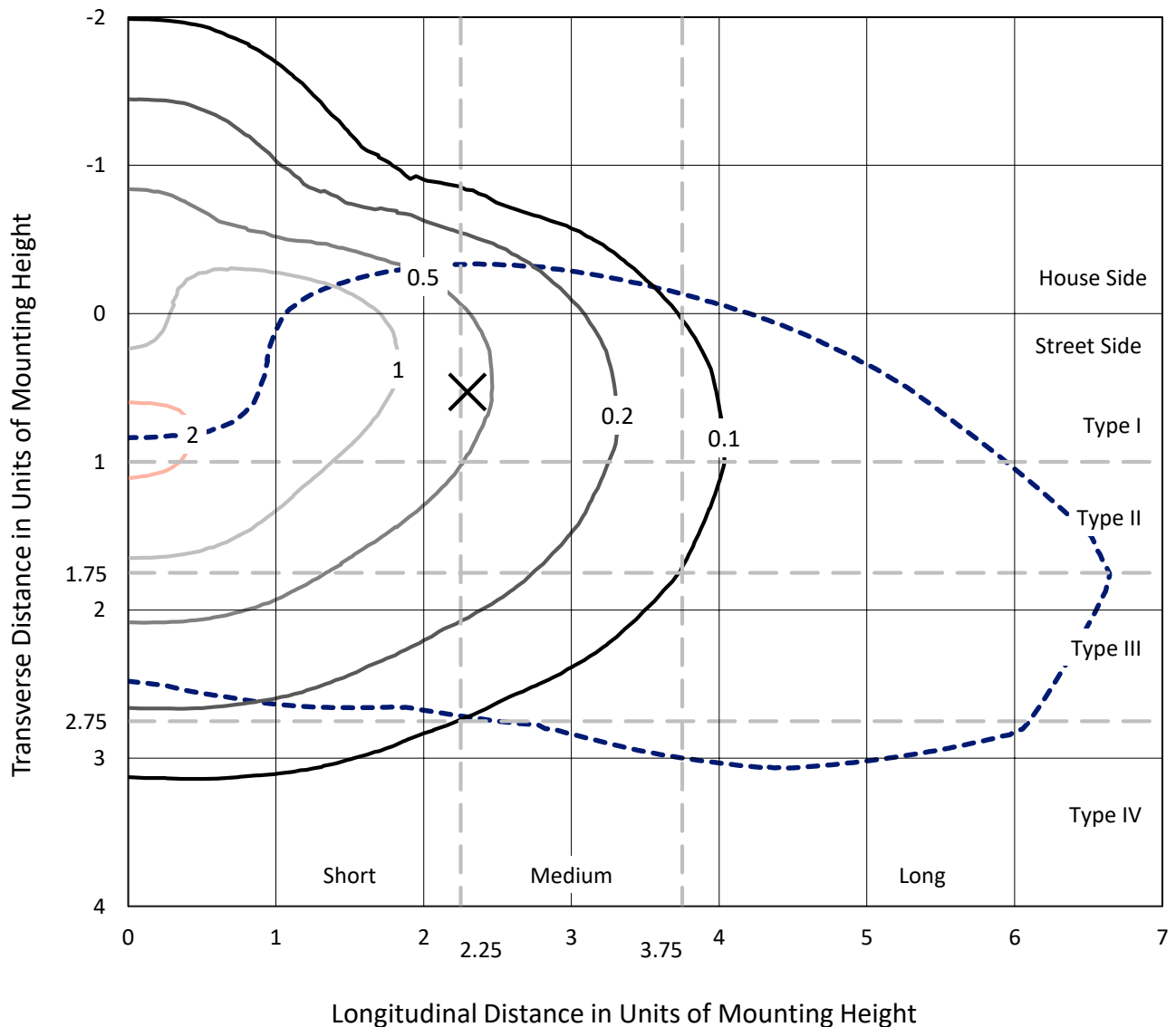


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

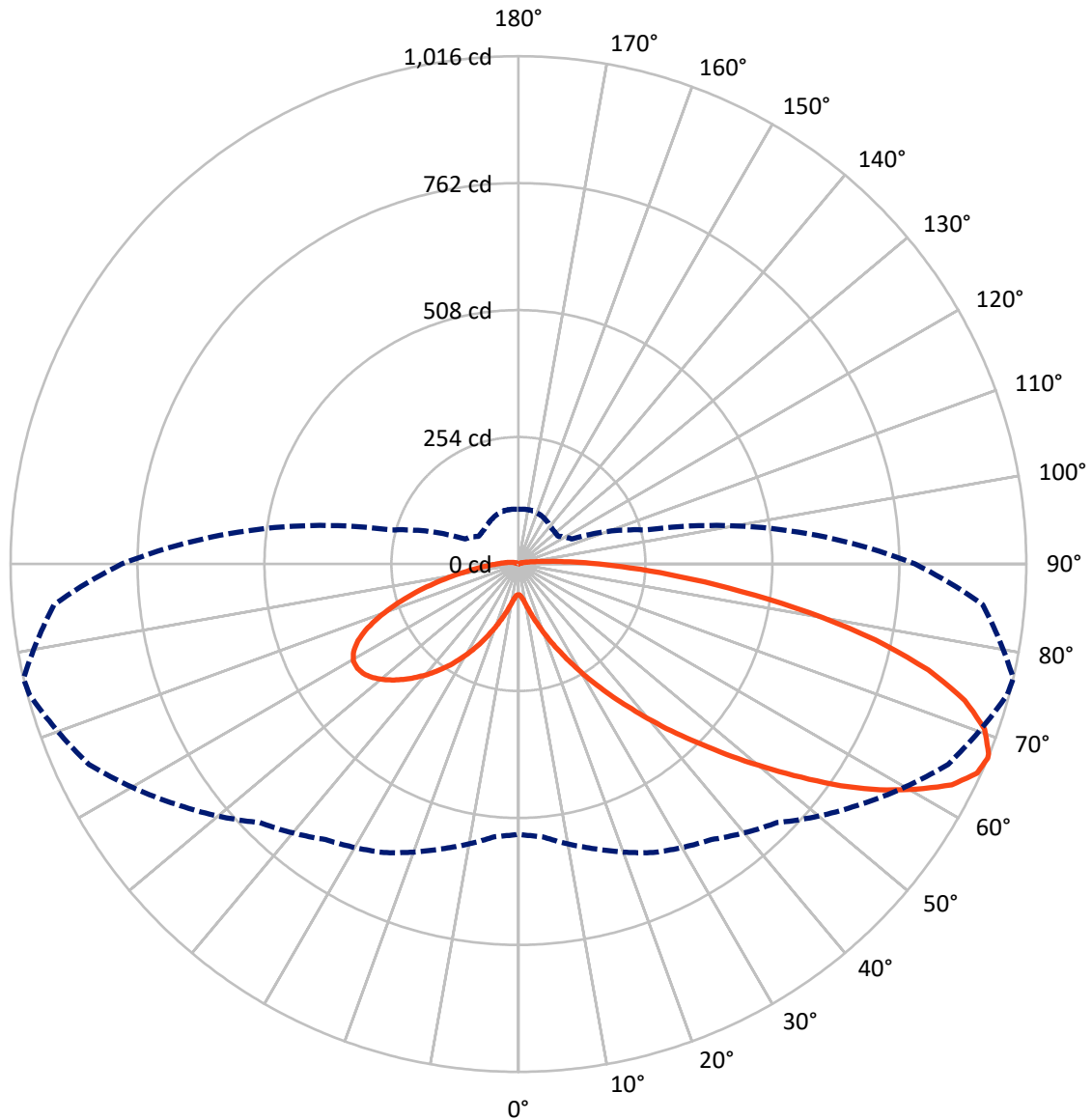


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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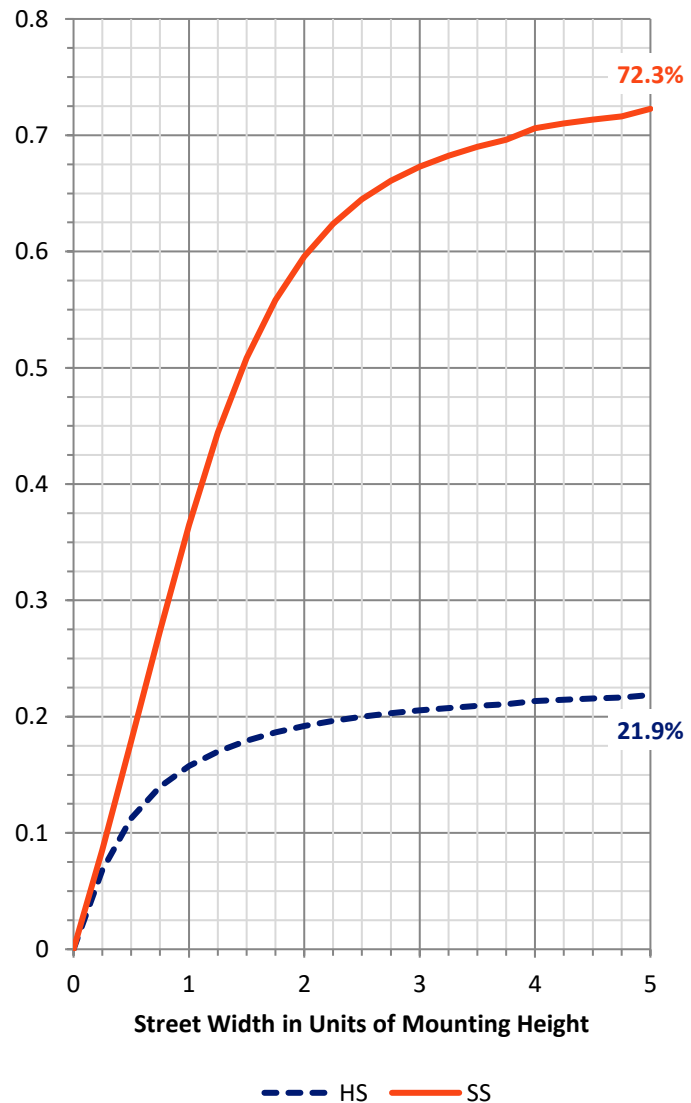
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.6	27.7	486.2
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	1488.8	33.0	1521.8
	% Fixture	74.1	1.6	75.8
Total	Lumens	1947.4	60.7	2008.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.3
10°-20°	29.7	1.5
20°-30°	78.1	3.9
30°-40°	159.7	8.0
40°-50°	276.7	13.8
50°-60°	410.5	20.4
60°-70°	476.3	23.7
70°-80°	359.8	17.9
80°-90°	149.9	7.5
90°-100°	39.8	2.0
100°-110°	12.9	0.6
110°-120°	5.1	0.3
120°-130°	1.9	0.1
130°-140°	0.7	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1947.4	97.0
0°-180°	2008.1	100.0



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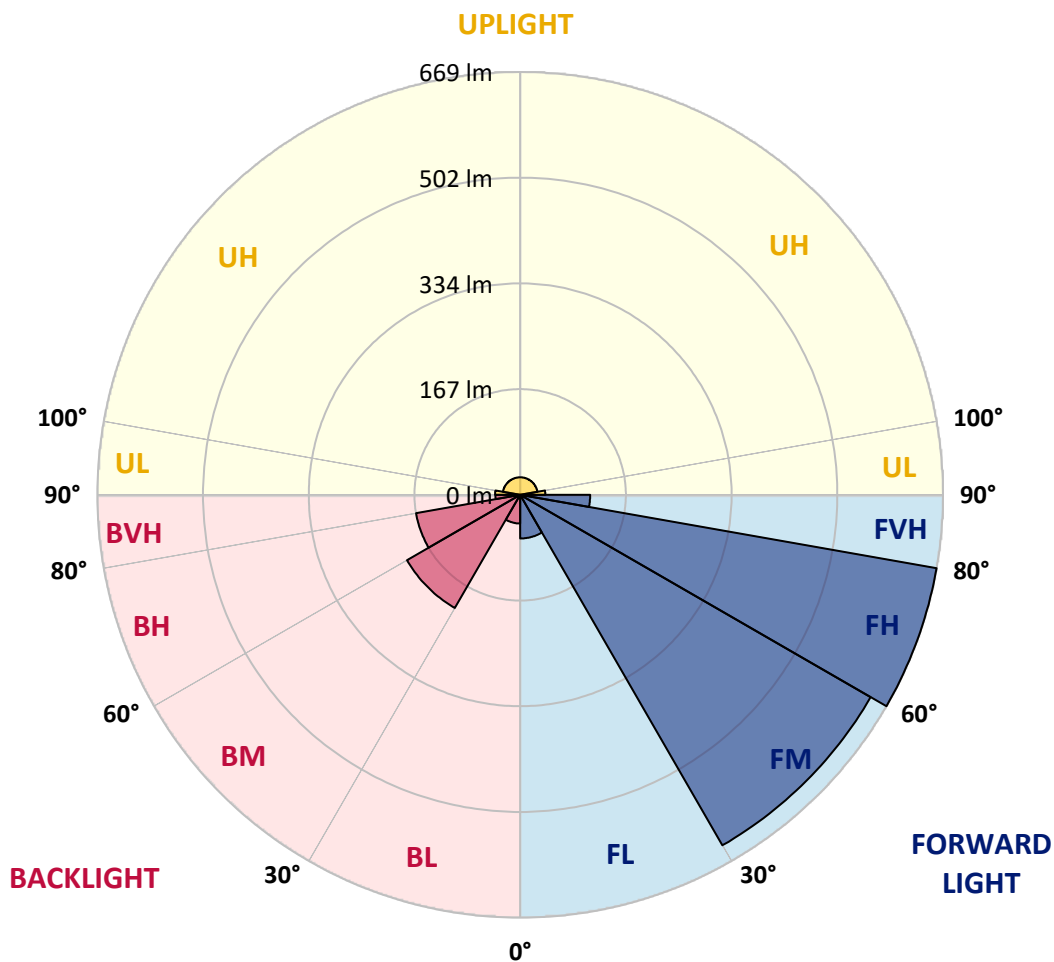
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.0	3.4			
FM	(30°-60°)	640.1	31.9			
FH	(60°-80°)	668.9	33.3			G1/1800
FVH	(80°-90°)	110.7	5.5			G2/225
BL	(0°-30°)	45.4	2.3	B0/110		
BM	(30°-60°)	206.7	10.3	B0/220		
BH	(60°-80°)	167.2	8.3	B1/500		G1/500
BVH	(80°-90°)	39.2	2.0			G1/100
UL	(90°-100°)	39.8	2.0		U2/50	
UH	(100°-180°)	27.7	1.4		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	64.5	64.5	64.9	64.7	64.7	64.3	64.0	63.3	62.8	62.8	62.5
5°	69.3	69.3	69.4	69.8	69.3	69.0	68.4	67.4	66.7	66.7	66.1
7.5°	76.4	76.4	76.3	76.4	76.3	75.7	74.7	74.3	72.9	73.1	72.5
10°	86.7	86.7	86.2	86.7	85.6	85.1	84.4	83.6	81.9	82.5	81.2
12.5°	101.4	101.4	100.9	100.3	98.5	97.6	97.0	96.6	95.2	95.4	94.0
15°	118.8	118.7	118.1	117.1	114.7	113.4	112.2	111.5	110.3	110.8	109.4
17.5°	139.5	139.1	137.4	136.0	133.3	131.3	129.6	128.9	127.5	127.7	125.9
20°	163.2	162.8	160.5	158.5	154.6	152.1	150.2	148.6	147.2	148.6	145.0
22.5°	191.2	191.8	187.2	183.9	178.1	174.8	172.7	171.1	169.7	170.9	166.8
25°	223.4	223.1	218.2	213.8	205.7	200.0	196.8	195.9	195.1	196.1	193.2
27.5°	260.4	259.4	254.0	244.8	235.6	226.8	222.7	223.4	223.1	223.9	221.1
30°	301.3	300.8	293.1	280.2	268.2	256.2	252.5	252.2	254.3	255.7	250.1
32.5°	346.7	347.1	336.9	320.1	302.3	289.2	285.5	286.0	288.9	288.6	284.4
35°	396.7	396.7	385.9	364.8	341.4	324.4	320.2	324.8	326.5	327.1	320.5
37.5°	450.2	449.5	439.5	412.1	385.3	362.9	355.8	361.5	367.9	367.2	360.5
40°	507.5	505.6	492.5	462.0	429.3	402.5	394.4	403.2	412.6	413.0	404.9
42.5°	562.2	560.5	546.8	514.2	475.2	447.5	438.5	448.3	461.6	462.8	448.3
45°	613.5	613.3	600.7	567.2	524.5	492.6	483.5	496.5	515.2	515.2	499.8
47.5°	662.0	658.9	650.8	617.2	577.0	539.4	530.4	548.4	574.3	575.2	557.0
50°	699.1	697.2	693.0	662.6	621.5	587.6	579.3	606.3	636.4	639.1	617.0
52.5°	724.8	722.7	725.9	702.1	665.3	635.0	632.1	665.5	704.8	709.1	682.7
55°	734.8	735.5	745.6	730.0	700.7	676.8	687.1	728.3	774.8	783.2	748.6
57.5°	729.8	731.8	749.6	746.2	725.9	710.3	737.4	789.3	845.0	852.9	813.3
60°	703.4	708.0	734.0	742.9	735.3	740.3	782.0	850.8	911.7	915.3	875.5
62.5°	660.4	665.5	699.8	722.7	727.7	751.1	814.7	902.5	967.0	973.3	915.3
65°	599.6	606.7	644.9	684.9	705.0	747.7	836.0	936.2	1002.2	1008.7	935.5
67°	540.6	547.7	589.9	637.2	673.1	731.8	837.6	948.6	1012.6	1016.4	932.8
67.5°	524.5	531.9	574.1	623.6	663.0	725.7	836.1	949.8	1012.6	1014.9	929.1
70°	436.8	446.5	489.5	546.3	598.6	682.5	815.0	934.6	994.7	990.0	885.3
72.5°	345.5	354.6	396.5	456.7	516.6	617.2	767.6	890.1	939.9	934.4	813.1
75°	258.3	265.9	306.1	364.6	428.1	531.6	693.3	817.6	852.9	847.2	713.4
77.5°	184.8	191.1	225.8	279.6	338.2	438.5	593.3	715.1	737.1	730.4	592.3
80°	127.1	134.4	159.4	207.4	257.8	343.1	478.4	582.6	597.9	590.9	462.8
82.5°	83.9	87.9	110.0	148.8	190.8	260.1	365.8	451.8	465.1	448.3	343.3
85°	54.6	55.7	72.5	102.3	137.6	189.0	268.2	332.1	338.0	325.5	244.2
87.5°	33.5	35.0	46.7	67.2	95.0	133.0	189.6	232.0	233.0	223.0	164.8
90°	21.6	22.5	30.0	43.7	64.5	90.5	127.7	154.1	153.4	145.5	105.2
92.5°	14.8	15.4	20.8	30.0	42.0	59.6	81.9	97.3	95.8	91.4	66.5
95°	10.8	11.3	15.4	21.7	29.3	39.3	51.1	59.0	57.3	54.3	41.7
97.5°	7.9	8.4	11.8	16.6	21.7	27.0	32.9	35.3	34.8	33.3	27.8
100°	6.0	6.5	9.2	12.9	17.0	20.1	22.9	23.3	22.5	22.1	20.1
102.5°	5.0	5.3	7.5	10.8	14.0	16.1	17.2	17.0	16.1	15.8	14.8
105°	4.3	4.5	6.5	9.2	11.5	13.5	14.0	13.1	11.9	11.8	11.3
107.5°	3.9	3.9	5.5	7.9	10.2	11.3	11.5	10.3	8.9	8.7	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	3.4	3.4	4.9	6.6	8.7	9.6	9.6	8.2	6.3	6.0	6.3
112.5°	2.9	3.1	4.1	5.7	7.5	8.2	7.9	6.5	4.5	4.3	4.5
115°	2.6	2.6	3.7	5.0	6.3	6.9	6.5	4.9	3.4	3.1	3.4
117.5°	2.3	2.3	3.1	4.3	5.3	5.7	5.3	3.9	2.3	2.3	2.6
120°	2.2	2.2	2.6	3.7	4.5	4.9	4.1	2.9	1.9	1.9	2.2
122.5°	1.9	1.9	2.3	3.1	3.9	3.9	3.4	2.2	1.4	1.4	1.6
125°	1.6	1.9	2.2	2.6	3.1	3.1	2.6	1.6	1.2	1.4	1.6
127.5°	1.6	1.6	1.9	2.2	2.6	2.6	2.2	1.2	1.2	1.2	1.4
130°	1.4	1.4	1.6	1.9	2.2	2.2	1.6	1.0	1.2	1.2	1.4
132.5°	1.4	1.4	1.4	1.6	1.6	1.6	1.2	1.0	1.0	1.2	1.2
135°	1.2	1.2	1.2	1.4	1.4	1.2	0.7	0.7	1.0	1.0	1.2
137.5°	1.0	1.0	1.2	1.0	1.0	1.0	0.7	0.7	1.0	1.0	1.0
140°	1.0	1.0	1.0	0.7	0.7	0.4	0.4	0.7	0.7	1.0	1.0
142.5°	0.4	0.7	0.7	0.4	0.4	0.2	0.4	0.4	0.7	0.7	0.7
145°	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.7	0.7
147.5°	0.0	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.4	0.4	0.4
150°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	62.3	62.2	61.4	60.8	60.6	60.5	60.1	59.9	59.9	59.9	59.9
5°	65.7	65.4	64.3	63.3	62.5	61.9	61.4	60.8	60.6	60.5	60.1
7.5°	71.7	71.0	69.4	67.8	66.1	64.7	63.8	63.3	62.5	62.3	62.2
10°	80.6	79.8	77.2	74.3	71.7	69.4	67.8	66.8	66.5	65.9	65.9
12.5°	92.7	92.3	87.8	84.1	79.1	75.7	73.8	73.1	72.9	72.5	72.7
15°	107.3	106.4	100.4	95.0	88.3	84.1	81.2	80.0	79.6	79.0	79.1
17.5°	124.1	121.0	114.2	105.7	97.6	92.5	88.8	86.5	85.8	85.3	85.6
20°	142.7	139.5	128.9	117.0	107.2	100.7	95.4	92.7	91.7	91.7	91.7
22.5°	164.0	159.9	145.3	129.1	116.3	107.2	101.1	98.5	97.6	97.6	97.8
25°	188.5	181.6	163.0	142.1	125.0	112.6	106.4	103.6	102.9	102.9	103.0
27.5°	215.1	205.9	181.3	153.9	131.2	116.5	109.9	107.3	106.9	106.9	107.2
30°	244.0	232.0	200.0	164.5	136.0	118.8	111.7	109.9	109.6	109.9	109.9
32.5°	274.7	261.0	218.4	173.4	139.1	120.2	112.8	111.7	111.5	112.0	111.5
35°	308.1	289.9	236.9	180.5	140.9	120.4	113.4	112.6	112.6	112.5	112.2
37.5°	344.1	319.7	254.0	185.8	140.9	119.8	113.1	112.8	112.8	112.5	112.0
40°	385.3	352.3	269.8	189.0	139.5	118.4	112.6	112.6	112.5	111.5	111.0
42.5°	425.3	386.2	284.9	189.5	137.1	116.5	112.0	112.5	112.0	110.0	109.6
45°	469.9	422.9	298.1	188.6	133.8	114.7	111.2	112.2	111.2	108.9	108.3
47.5°	521.6	462.4	309.9	185.8	129.4	112.5	110.3	111.5	111.0	108.2	107.6
50°	574.8	502.1	319.3	181.6	125.1	110.5	109.6	111.2	110.8	107.6	107.2
52.5°	630.5	542.9	326.1	175.2	120.6	108.5	108.9	111.0	111.0	107.8	107.3
55°	685.5	580.1	329.1	167.1	115.8	106.9	108.2	111.0	111.7	108.5	108.2
57.5°	736.4	610.0	327.4	157.7	111.2	105.0	107.6	110.8	112.2	109.4	108.9
60°	778.9	636.4	320.2	147.7	107.3	103.3	106.9	110.8	112.5	110.3	109.9
62.5°	804.7	645.8	305.7	136.9	103.6	101.4	105.7	110.3	112.2	110.5	110.0
65°	809.8	638.6	284.9	126.7	100.0	99.3	103.8	108.9	111.5	110.5	109.9
67°	793.9	617.2	262.9	118.4	96.8	97.0	102.0	107.3	110.5	110.3	109.4
67.5°	787.0	609.4	257.5	116.3	96.4	96.4	101.7	106.9	110.3	110.0	109.4
70°	740.6	561.9	225.8	106.2	92.5	93.2	98.5	104.6	108.2	108.3	107.8
72.5°	666.5	495.5	193.9	96.6	88.3	89.2	94.4	100.4	104.6	105.0	104.3
75°	568.8	417.4	162.4	87.9	83.5	84.1	89.4	95.2	99.5	100.3	99.5
77.5°	470.4	333.9	132.6	79.8	77.7	79.0	83.5	88.8	92.7	93.2	92.7
80°	359.9	253.4	105.7	72.1	71.4	72.7	76.4	81.0	84.6	85.1	84.6
82.5°	264.2	185.8	83.6	64.5	64.3	65.4	68.6	72.9	75.7	75.9	75.3
85°	188.5	131.2	66.7	56.1	56.6	57.0	59.9	63.3	65.7	65.9	64.5
87.5°	126.3	89.4	52.0	48.1	48.7	48.7	50.3	53.2	54.8	54.6	53.4
90°	82.5	60.8	42.0	41.1	41.2	41.2	42.0	43.8	45.4	44.6	43.8
92.5°	53.2	42.7	34.6	35.0	35.0	34.6	34.8	36.2	36.9	36.2	35.8
95°	36.2	31.4	28.7	29.5	29.7	28.7	28.7	29.5	30.0	29.0	28.2
97.5°	26.1	24.3	23.7	25.0	24.8	24.0	23.4	23.7	24.0	22.7	22.3
100°	19.7	19.1	19.5	20.8	20.7	19.9	19.5	19.1	19.0	17.7	17.4
102.5°	15.4	15.1	16.1	17.2	17.0	16.3	15.8	15.6	15.1	13.7	13.7
105°	11.8	11.9	13.1	14.5	14.2	13.7	13.1	12.7	11.8	10.5	10.5
107.5°	8.9	9.3	10.8	11.9	11.8	11.3	10.8	10.3	9.2	8.2	8.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.6	7.1	8.7	9.8	9.6	9.3	8.9	8.2	6.9	6.3	6.0
112.5°	5.0	5.5	6.9	7.9	7.9	7.6	7.1	6.5	5.3	4.9	4.5
115°	3.9	4.3	5.5	6.3	6.3	6.0	5.7	5.0	3.9	3.7	3.7
117.5°	3.1	3.4	4.3	5.0	5.0	4.9	4.5	3.9	2.9	2.9	2.9
120°	2.3	2.6	3.4	3.9	3.9	3.7	3.4	2.9	2.2	2.2	2.2
122.5°	2.2	2.2	2.6	3.1	2.9	2.9	2.6	2.2	1.6	1.6	1.6
125°	1.6	1.9	2.2	2.3	2.2	2.2	1.9	1.6	1.4	1.4	1.4
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.2	1.0	1.2	1.2
130°	1.4	1.4	1.4	1.4	1.2	1.2	1.0	0.7	0.7	1.0	1.0
132.5°	1.4	1.4	1.4	1.2	1.0	0.7	0.7	0.4	0.7	0.7	0.7
135°	1.2	1.2	1.2	1.0	0.7	0.4	0.2	0.2	0.4	0.4	0.4
137.5°	1.2	1.2	1.0	1.0	0.7	0.2	0.0	0.2	0.2	0.2	0.2
140°	1.0	1.0	1.0	0.7	0.4	0.2	0.0	0.0	0.2	0.2	0.0
142.5°	1.0	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.2	0.0	0.0
145°	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)